

**HOLDEN**

Holden Limited
Engineering Department

MATERIAL SPECIFICATION

NUMBER : HN 1242
SHEET : 1 of 2
RELEASE : February, 1972
REVISION : October, 1972

NAME: TAPE WIRING HARNESS

1. APPLICATION:

This specification covers a synthetic tape used for the outer covering of wiring harnesses by hand or machine wrapping.

2. GENERAL REQUIREMENTS:

The tape shall be a plasticised vinyl resin film and shall be resistant to abrasion, oil, water and acid and is normally smooth and non-adhesive.

3. SPECIFIC REQUIREMENTS:

Tests conducted at 25°C unless otherwise noted.

3.1 Appearance

The tape shall be free from pinholes, hard or foreign particles, tears or cuts.

3.2 Colour

As specified on Part Drawing.

3.3 Finish

Gloss and smooth

3.4 Tensile Strength

The minimum tensile strength shall be 10,300 kPa (1500 p.s.i.) when tested in accordance with ASTM D412.

3.5 Ultimate Elongation

The minimum ultimate elongation shall be 250% when tested in accordance with ASTM D412.

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3. SPECIFIC REQUIREMENTS: (continued)3.6 Elongation at 6890 kPa (1000 p.s.i.) load.

The elongation at 6890 kPa (1000 p.s.i.) shall be in the range of 80 - 325% when tested in accordance with ASTM D412.

3.7 Thickness

The thickness shall be 150 - 230 μm (0.006 - .009 inches).

3.8 Width - 0 (-0)

The width of the tapes shall be within + 1.6 mm (+1/16) inches of specified width. The individual widths should be specified on the purchase order.

3.9 Specific Gravity

The specific gravity shall be 1.25 maximum when tested in accordance with ASTM D792.

3.10 Dielectric Strength

The dielectric strength shall be 700 v.p.m. minimum when tested in accordance with ASTM D1000.

3.11 Heat Ageing

The tape shall not be brittle or crack after ageing 7 days at 70°C.

4. APPROVAL:)
CERTIFICATION:) Refer Clauses 'B' 'C' and 'G' of
) Specification HN 1000.
INSPECTION AND REJECTION:)

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